Mandarin conditionals: the external syntax, order preservation and cyclic linearization Zhuo Chen, UCLA

1 Introduction Based on Haegeman's (2003) and Endo & Haegeman's (2019) work on adverbial clauses, using novel data, I argue that in Mandarin conditionals, sentence-initial ruguo-clauses involve successive cyclic movement from a VP internal position through two intermediate positions, the edge of VP phase and Spec jiuP within the consequent clause (1). Moreover, I propose that an order preservation effect, in which a ruguo-clause must always precede an even-focused object, is the result of a representational constraint on the functional hierarchy conspiring with a derivational constraint, i.e. Cyclic Linearization (CL, Fox & Pesetsky 2005).

(1) [CP [ruguo...] [consequent $\overrightarrow{DP}_{sub}$..._____ jiu... [VP _____... $\overrightarrow{DP}_{obj}$ ____]]]

2 Origin of initial ruguo-clauses Like English if-conditionals (Haegeman 2003), at least some initial ruguo-clauses are derived from a lower position within the consequent clause. One direct argument comes from word order variations: despite being canonically sentence-initial (2a)¹, a ruguo-clause alternatively occurs within the consequent (2b).

xiayu, Zhangsan (2) a. ruguo bu hui lai. NEG rain Z. come 'If it doesn't rain, Zhangsan then will come.'

b. Zhangsan ruguo bu xiayu jiu hui lai.

A derivational relation between initial ruguo-clauses (2a) and internal ruguo-clauses (2b) is evident in the fact that an initial ruguo-clause containing an anaphor undergoes obligatory reconstruction to a position lower than the subject and/or the object of the consequent (3-4).

taziji¹ de jiaren zhichi, **Zhangsan**¹ 3sg.self de family support Z. (3) a. ruguo jiū bangzhu dajia. then will help people 'If the family of himself₁ is supportive, Zhangsan₁ will then help people.'

b. [ruguo taziji_I...][consequent Zhangsan_I... \(\sqrt{...} \) ...]

(4) a. ruguo taziji_I de jiaren zhichi, dajia jiu hui bangzhu Zhangsan_I... b. [ruguo taziji_I...][consequent dajia ... Zhangsan_I \(\sqrt{...} \)]

Furthermore, the existence of a second reconstruction site receives support from the absence/presence

of Condition C connectivity when anaphoric binding forces reconstruction of an initial ruguo-clause. (5) is correctly ruled in since an intermediate reconstruction site can satisfy anaphoric binding while circumvent Condition C violation. Conversely, (6) is ruled out as no such reconstruction site is available and Condition C connectivity shows up, contra Pan & Paul (2018). Thus, I argue that the derivation of initial ruguo-clauses minimally involves movement from a position lower than the object of the consequent, and through some intermediate position between the subject and the object within the consequent.

(5) a. ruguo **bici** $_{I}$ de zhugong bei iiaolian₂ kanzhong, each other if DE assist **PASS** coach value qiuyuan-men₁ jiu zhichi hui ta₂.

player-PL then will support 3SG
'If **each other**_I's assists are valued by **the coach**₂, **the players**_I will then support **him**₂.'
b. [r_{uguo} **e.o.**_I... **the coach**₂...][consequent **players**_I... $\frac{1}{2}$... $\frac{1}{2}$. zhugong bei jiaolian₂ (6) a. *ruguo **bici**₁ kanzhong, de

guli hui qiuyuan-men₁.

b. [ruguo **e.o.**₁... **the coach**₂...][consequent **he**₂ ... * ... **players**₁] *Condition A *Condition C

c. [ruguo e.o.₁... the coach₂...][consequent he₂ ...players₁ *] \(\sqrt{Condition A *Condition C} \) **3 ruguo-clauses and** \(jiu \) Endo & Haegeman (2019) propose that an adverbial clause is merged as a specifier of a functional head Mod within the main clause. Extending their analysis to Mandarin conditionals by assuming a Spec-Head relation between an internal *ruguo*-clause and *jiu*, the "conditional marker" within the consequent (Liu 2017), we can account for the following facts: (i) an internal ruguo-clause and jiu must be adjacent to each other and cannot be separated by another head, e.g. a modal (2b, 7); and (ii) an internal ruguo-clause must precede but not follow jiu (2b, 8). Hence, I argue that the derivation of initial ruguo-clauses involves moving through Spec jiuP.

(7) a. *Zhangsan ruguo bu xiayu hui jiu lai. b. Zhangsan hui ruguo bu xiayu **jiu** lai. (8) a. *Zhangsan jiu ruguo bu xiayu hui lai. b. *Zhangsan hui jiu ruguo bu xiayu lai.

¹ The reported judgments have been confirmed by five Mandarin native speakers and three English native speakers.

